

8° Congresso AIGA 2024 Napoli, 27-29 giugno

Programma

Con il patrocinio di:



Giovedì, 27 giugno 2024

8:30 - 9:00	Registrazione partecipanti
9:00 - 10:15	Saluti istituzionali Coordina: Alfonso Corniello, Università degli Studi di Napoli Federico II <ul style="list-style-type: none">• Matteo Lorito, Rettore, Università degli Studi di Napoli Federico II• Gioconda Moscariello, Presidente Scuola Politecnica e delle Scienze di Base, Università degli Studi di Napoli Federico II• Francesco Pirozzi, Direttore Dipartimento di Ingegneria Civile, Edile e Ambientale, Università degli Studi di Napoli Federico II• Vincenzo Morra, Direttore Dipartimento di Scienze della Terra, dell'Ambiente e delle Risorse, Università degli Studi di Napoli Federico II• Domenico Guida, Direttore C.U.G.RI.• Domenico Calcaterra, Presidente AIGA• Mauro Soldati, Presidente AIGeo• Sergio Rusi, Presidente IAH Sezione Italiana• Claudio Margottini, Presidente IAEG Sezione Italiana• Antonello Fiore, Presidente SIGEA• Nicola Casagli, Presidente OGS• Arcangelo Francesco Violo, Presidente Consiglio Nazionale dei Geologi• Egidio Grasso, Presidente Ordine dei Geologi della Campania• Andrea Prota, Presidente Fondazione RETURN• Giovanni Legnini, Commissario Delegato per gli eccezionali eventi meteorologici verificatisi nei territori dell'isola di Ischia il 26 novembre 2022
10:15 - 10:30	Relazione a invito: Francesca Bozzano, Salvatore Martino - Sapienza Università di Roma – <i>Ground instabilities: from learning cases toward scenarios of effects in a multihazard perspective</i>
10:30 - 11:45	Sessione I: Idrogeologia (parte A)
	<i>Convener:</i> Marco Petitta – Sapienza Università di Roma; Stefania Stevenazzi – Università degli Studi di Napoli Federico II
10:30 - 10:45	Davide Cappellari, Roberto Tonucci , Leonardo Piccinini, Andrea Braidot, Alberto Cisotto, Nico Dalla Libera, Paolo Fabbri – <i>Hydrogeological water balance in the high and middle Venetian plain (NE, Italy)</i>

<p>10:45 - 11:00</p>	<p>Lorenzo D'Antonio, Davide Fronzi, Elisa Mammoliti, Nicolò Colombani, Stefano Palpacelli, Valentina Brombin, Gianluca Bianchini, Carlo Ianni, Massimo Tonelli, Alberto Tazioli – <i>Hydraulic conductivity estimation through the use of tracers tests and geomechanical survey: preliminary outcomes from the Montagna dei Fiori carbonate aquifer (central Italy)</i></p>
<p>11:00 - 11:15</p>	<p>Alessandra Feo, Riccardo Pinardi, Andrea Artoni, Fulvio Celico – <i>Integrity of fine-grained layers to DNAPL migration in multilayered aquifers: Assessment in a PCE-contaminated alluvial system, using high-precision simulations</i></p>
<p>11:15 - 11:30</p>	<p>Daniele Lepore, Silvio Coda, Delia Cusano, Vincenzo Allocca, Eduardo Bucchignani, Myriam Montesarchio, Pantaleone De Vita – <i>Long-term patterns of groundwater resources of southern Italy in climate-changing scenarios</i></p>
<p>11:30 - 11:45</p>	<p>Fabrizio Antonio Piscedda, Claudio Arras, Maria Chiara Porru, Stefania Da Pelo – <i>Tidal dynamics and saline intrusion in coastal aquifers: A case study of the Flumendosa Coastal Plain, Sardinia</i></p>
<p>11:45 - 13:15</p>	<p>Sessione I: Idrogeologia (parte B)</p>
	<p><u>Convener:</u> Stefania Da Pelo – Università degli Studi di Cagliari; Silvio Coda – Università degli Studi di Napoli Federico II</p>
<p>11:45 - 11:55</p>	<p>Sponsors' corner: Ferrarelle S.p.A. - Vittorio Paolucci – <i>Sostenibilità ambientale e sviluppo sostenibile di un acquifero minerale di elevato pregio: l'esperienza della Ferrarelle SpA Società Benefit</i></p>
<p>11:55 - 12:10</p>	<p>Alfonso Corniello, Daniela Ducci, Giovanni Forte, Luigi Massaro, Stefania Stevenazzi – <i>Sustainability assessment of groundwater exploitation based on hydrogeological and hydrogeochemical studies: the case study of the Venafro Mountains (Southern Italy)</i></p>
<p>12:10 - 12:25</p>	<p>Michele Ginolfi, Guido Leone, Libera Esposito, Francesco Fiorillo – <i>Relationships between river and groundwater flow in an alluvial plain by time series analysis and numerical modelling: the case of Benevento plain (southern Italy)</i></p>
<p>12:25 - 12:40</p>	<p>Nicola Pastore, Gioacchino Francesco Andriani, Claudia Cherubini, Giuseppe Diprizio, Francesco Anaclerio, Paolo Morelli, Concetta Immacolata Giasi – <i>Pore network model to predict flow processes in unsaturated calcarenites</i></p>
<p>12:40 - 12:55</p>	<p>Nicolas Rinaldi, Raffaele Rossi Ronca, Francesco Ronchetti, Laura Longoni, Monica Papini – <i>Discharge analysis on several alpine springs in the province of Lecco to improve water resource management under climate change</i></p>
<p>12:55 - 13:10</p>	<p>Enrica Zullo, Matteo Albano, Michele Saroli, Marco Moro, Gabriel Testa, Nicola Bonora, Marco Petitta, Thomas Reimann, Carlo Doglioni – <i>Groundwater flow numerical analysis of the Sibillini hydrostructure (Central Italy): system characterization and evaluation of hydrogeological changes after the Mw 6.5 Norcia earthquake</i></p>

13:15 - 14:15	Lunch
14:15 - 16:00	Sessione II: Stabilità dei versanti (parte A)
	<i>Convener:</i> Lisa Borgatti – Alma Mater Studiorum Università di Bologna; Rita Tufano – Università degli Studi di Napoli Federico II
14:15 - 14:25	Sponsors' corner: Hortus S.r.l. - Mauro Reguzzoni – <i>Monitoraggio e allertamento delle colate detritiche</i>
14:25 - 14:40	Mirko Francioni , Francesco Ferroni, Francesco Ottaviani, Mahnoor Ahmed, Marco Menichetti – <i>From survey to analysis and visualization methods, new approaches to define rockfall hazard</i>
14:40 - 14:55	Rossana Napolitano , Leonardo Maria Giannini, Gabriele Scarascia Mugnozza, Francesca Vergari, Carlo Esposito – <i>Set-up of a comprehensive framework for geo-hydrological hazard and risk assessment at the large-scale and addressed to statutory purposes</i>
14:55 - 15:10	Giacomo Pepe, Serafina Carbone, Andrea Cevasco, Giovanna Pappalardo, Davide Caliò, Simone Mineo – <i>Landslide Impact on Nature Reserves: first results on the multisensor survey of unstable slopes in protected areas</i>
15:10 - 15:25	Alessandro Scaioli , Monica Corti, Monica Papini, Laura Longoni – <i>BEMSL: a new tool for modelling shallow landslides at basin scale</i>
15:25 - 15:40	Samuele Segoni , Stefano Clò, Alessio Gatto, Federico Martellozzo, Francesco David – <i>Deciphering ignored components of hydrogeological risk: indirect impacts on Italian economy</i>
15:40 - 15:55	Giuseppe Vitiello , Marianna Pirone, Giovanni Forte, Antonio Santo – <i>Geological and geotechnical characterization of the pyroclastic covers of the island of Ischia for the definition of the trigger mechanisms of rapid flows</i>
16:00 - 17:30	Sessione II: Stabilità dei versanti (parte B)
	<i>Convener:</i> Claudia Meisina – Università di Pavia; Giovanni Forte – Università degli Studi di Napoli Federico II

16:00 - 16:10	Sponsors' corner: IdroGeo S.r.l. - Salvatore Davino, Francesco Langella, Marco Pagano, Biagio Palma – <i>Innovative Techniques for Monitoring Areas Prone to Rockfall Hazard</i>
16:10 - 16:25	Arianna De Simone , Luigi Guerriero, Andrea Cevasco, Andrea Mandarino, Andrea Vigo, Emanuele Raso, Giacomo Pepe, Domenico Calcaterra – <i>Stability conditions of terraced slopes under multiple hydrological scenarios</i>
16:25 - 16:40	Massimo Mangifesta , Gianni Scaella, Nicola Sciarra – <i>Landslide hazard assessment of complex systems: The case study of Borrano landslide (North East Abruzzo, Central Italy)</i>
16:40 - 16:55	Giorgio Manno , Marco Rosone, Maurizio Ziccarelli, Alessio Ferrari – <i>A conceptual model to analyze a rainfall-induced slow-moving rock slide</i>
16:55 - 17:10	Greta Morreale , Nicola Nocentini, Elena Benedetta Masi, Ascanio Rosi, Veronica Tofani, Samuele Segoni – <i>Enhancing the operational efficiency of physically based landslide forecasting models through a multi-criteria approach to spatialize soil properties and automatically generate risk scenarios: a case study in Florence</i>
17:10 - 17:25	Giacomo Titti , Matteo Antelmi, Francesco Fusco, Laura Longoni, Lisa Borgatti – <i>A new perspective for regional landslide susceptibility assessment</i>
17:30 - 18:00	Consegna Premi AIGA 2023
18:00 - 19:00	Consiglio Direttivo e Assemblea dei Soci AIGA
21:00	Cena sociale

Venerdì, 28 giugno 2024

9:00 - 11:00	Sessione III: Monitoraggio
	<i>Convener:</i> Veronica Tofani – Università degli Studi di Firenze; Luigi Guerriero – Università degli Studi di Napoli Federico II
9:00 - 9:10	Sponsors' corner: Leica Geosystems S.p.A. - Paolo Dallochio – <i>Monitoraggio ambientale e strutturale: innovazione e tecnologia per la gestione e la condivisione del dato</i>
9:10 - 9:25	Benedetta Antonielli, Gian Marco Marmoni , Patrizia Caprari, Roberta Marini, Maria Elena Di Renzo, Antonio Veneziano, Alessandro Giordano, Francesco Di Sora, Giorgio Vescovi, Paolo Mazzanti, Francesca Bozzano – <i>Landslide monitoring at both large and detailed scale using satellite A-InSAR in Southern Lazio (Italy)</i>
9:25 - 9:40	Luisa Beltramone , Vivien De Lucia, Andrea Ermini, Riccardo Salvini – <i>Geological and structural application of SLAM-based LiDAR and UAS technologies for the evaluation of joints persistence</i>
9:40 - 9:55	Davide Donati , Alessandro Lambertini, Doug Stead, Monica Ghirotti, Lisa Borgatti – <i>Multi-temporal analysis of the geomorphic evolution of the failure surface of the Vajont landslide</i>
9:55 - 10:10	Mohammad Amin Khalili , Giuseppe Bausilio, Luigi Guerriero, Domenico Calcaterra, Diego Di Martire – <i>Spatio-Temporal Deep Learning with Attention Mechanisms for Landslide Deformation Prediction in Caiazzo Using COSMO-SkyMed Satellite Imagery</i>
10:10 - 10:25	Anna Palamidessi , Silvia Bianchini, Veronica Tofani, Deodato Tapete, Maria Virelli – <i>The use of satellite radar interferometry: the cases of Paestum, Volterra and Orvieto</i>
10:25 - 10:40	Luigi Parente, Jlenia Cocca, Davide Mazza, Vincenzo Albanese, Francesco Maria Guadagno, Paola Revellino – <i>Multi-temporal evolution analysis of Maronti cliff (Ischia island, Italy) derived from multi-perspective photographic datasets</i>
10:40 - 10:55	Melissa Tondo , Marco Mulas, Giuseppe Ciccacese, Gianluca Marcato, Giulia Bossi, David Tonidandel, Volkmar Mair, Alessandro Corsini – <i>Integration of Robotic Total Station monitoring and repeated LiDAR-Orthophoto surveys for the assessment of complex movement patterns in large-scale earth slides-earthflows: the Corvara landslide (South Tyrol)</i>

11:00 - 13:00	Sessione IV: Fenomeni alluvionali ed erosivi, dinamica fluviale e sinkholes
	<i>Convener:</i> Corrado Cencetti – Università degli Studi di Perugia; Chiara Calligaris – Università degli Studi di Trieste
11:00 - 11:10	Sponsors' corner: SINTEMA Engineering S.r.l. - Diego Di Martire – <i>Approcci innovativi e tradizionali a supporto dell'analisi multidisciplinare dei georischi nel campo della geologia applicata e dell'ingegneria geotecnica</i>
11:10 - 11:25	Giuseppe Bausilio , Diego Di Martire, Luigi Guerriero, Domenico Calcaterra – <i>Anthropogenic sinkholes' susceptibility assessment in the city of Palermo, Italy</i>
11:25 - 11:40	Nicolò Bertone , Emanuele Forte, Paolo Macini, Stefano Parodi, Marco Possamai, Chiara Staboli, Giacomo Titti, Massimo Valente, Roberta Zambrini, Lisa Borgatti – <i>An integrated approach for the investigation and assessment of levees integrity: a case study along the Panaro River</i>
11:40 - 11:55	Chiara Calligaris, Alice Busetti , Luca Zini, Emanuele Forte, Chiara Piano – <i>Direct and indirect prospecting to detect and characterise sinkhole features in urban evaporitic environments</i>
11:55 - 12:10	Monica Corti , Mirko Francioni, Monica Papini, Laura Longoni – <i>Analysis and modelling of the September 2022 flooding event in the Misa basin</i>
12:10 - 12:25	Erica Guidi , Simone Teloni, Giulio Pappafico, Stefano Morelli – <i>Identification of river sediments source areas through GIS-based geomorphological analysis in the Burano catchment area (Cantiano, PU)</i>
12:25 - 12:40	Sofia Orteni , Florentina Mincu, Gianina Neculau, Viorel Chendeş, Corrado Cencetti, Lucio Di Matteo – <i>Definition of runoff thresholds integrating satellite data and in-situ measurements: results from Voineşti Experimental Basin (Romania)</i>
12:40 - 12:55	Sharon Pittau , Massimo Rinaldi, Tommaso Simonelli, Vittoria Scorpio – <i>Geomorphological channel changes and riverbank erosion dynamics along the Serio River aimed at its sustainable management</i>
13:00 - 14:15	Lunch

14:15 - 16:30	Sessione V: Tematiche di geologia applicata e geotermia
	<i>Convener:</i> Laura Longoni – Politecnico di Milano; Glenda Taddia – Politecnico di Torino
14:15 - 14:25	Sponsors' corner: SYMPLE S.r.l. - Luigi Lana , Francesca Lotti, Gabriele Berganozzi – <i>Tiered approach for the evaluation of impacts of low-enthalpy open-loop geoeexchange plants</i>
14:25 - 14:40	Giorgia Berardo , Leonardo Maria Giannini, Alessandra Marino, Giuseppe Maschio, Paolo Mocellin, Chiara Vianello, Gabriele Scarascia Mugnozza – <i>Assessing Local Seismic Response in Major-Hazard Industrial Plants: Implications for NaTech Events</i>
14:40 - 14:55	Lorenzo Di Taranto, Giovanna D'Ambrosio, Annalisa Albano, Angelo Doglioni, Antonio Fiorentino , Alessandro Guerricchio, Davide Oscar Nitti, Raffaele Nutricato, Vincenzo Simeone – <i>Slow gravitational deformation and compression of bridges since failure</i>
14:55 - 15:10	Giulia Frutaz , Massimiliano Bordoni, Claudia Meisina – <i>Anionic Polyacrylamide as an additive to prevent soil proneness towards land degradation leading to slope instabilities</i>
15:10 - 15:25	Martina Gizzi , Alessandro Berta, Federico Vagnon, Glenda Taddia – <i>Groundwater heat pumps diffusion in the Turin city urban area: modelling for the thermally affected zone analysis of an open-loop geothermal system</i>
15:25 - 15:40	Yawar Hussain , Andrea Greco, Gian Marco Marmoni, Stefano Rivellino, Simona Battaglia, Claudio Mineo, Anna Varriale, Salvatore Martino – <i>Geohazard identification at the Le Capore Spring (Central Apennines, Italy) retrieved from engineering-geological modelling and passive seismic approaches</i>
15:40 - 15:55	Emanuele Intrieri , Sara Calandra, Irene Centauro, Francesco Pilati, Teresa Salvatici, Eugenio Segabinazzi, Carlo Alberto Garzonio – <i>Managing detachment risk of rock elements from stone-built historic buildings</i>
15:55 - 16:10	Piernicola Lollino , Isabella Serena Liso, Mario Parise – <i>Parametric numerical analysis for the assessment of the influence of joints on the stability of underground cave vaults in soft calcarenites</i>
16:10 - 16:25	Simone Mineo, Giovanna Pappalardo, Davide Caliò – <i>The study of rock weathering in monumental heritage through Infrared Thermography and photogrammetry</i>

16:30 - 18:00	Sessione poster
	<i>Convener:</i> Simone Mineo - Università di Catania; Isabella Serena Liso – Università degli Studi di Bari Aldo Moro
	Idrogeologia
1	Annalisa Albano, Angelo Doglioni, Vincenzo Simeone – <i>Analysis of long term climatic change in some region in the light of their impacts on groundwater</i>
2	Pasquale Allocca, Delia Cusano, Vincenzo Allocca, Silvia Fabbrocino, Pantaleone De Vita – <i>Assessment of groundwater vulnerability in the framework of the modeling of crops management and environmental health (National Research Center for Technology in Agriculture - AGRITECH)</i>
3	Marta Bongiovanni, Giovanni Tranchina, Ludovica Torrisi, Simone Mineo, Giovanna Pappalardo – <i>Evaluation of aquifer vulnerability in industrialized areas through numerical simulations</i>
4	Francesca Coccia, Giuseppe Casaburi, Ugo Lazzaro, Caterina Mazzitelli, Paolo Nasta, Benedetto Sica, Nunzio Romano, Pantaleone De Vita – <i>Groundwater characterization of complex, low permeability flysch formations: The case study of the “Alento” critical zone observatory (CZO)</i>
5	Silvio Coda, Ludovica D'Arienzo, Fulvio De Paola, Gaetano De Tommaso, Giancarlo De Tullio, Pantaleone De Vita, Fabiana Di Duca, Giancarlo Germano, Mauro Iuliano, Paolo Montuori, Patrizia Riccio, Maria Michela Salvatore, Maria Triassi, Vincenzo Allocca – <i>Heavy metals and Rare Earth Elements in groundwater of the Cumae archeological site (Phlegraeen Fields, southern Italy)</i>
6	Giulia Felli, Paolo Ciampi, Carlo Esposito, Christian Nielsen, Laura Ledda, Marco Petrangeli Papini – <i>Chlorinated solvent plume remediation in urban context: a targeted hydrogeochemical approach</i>
7	Guido Leone, Libera Esposito, Michele Ginolfi, Francesco Fiorillo – <i>Terzaghi's effective stress principle and hydrological deformation of karst aquifers detected by GNSS measurements</i>
8	Daniele Lepore, Christopher Conrad, Vincenzo Allocca, Delia Cusano, Johannes Löw, Léonard El-Hokayem, Pantaleone De Vita – <i>Integration of remote sensing and hydrological field monitoring for the assessment of groundwater recharge of karst aquifers</i>
9	Rosalba Muzzillo, Filomena Canora, Francesco Sdao – <i>Seawater intrusion modeling under climate and anthropogenic changes in the Metaponto coastal aquifer (Basilicata, southern Italy)</i>
10	Nicola Pastore, Claudia Cherubini, Concetta Immacolata Giasi – <i>Quantitative assessment of hydrogeological impact caused by gas pipeline construction. The case study of the gas pipeline interconnection with the Trans Adriatic Pipeline (TAP)</i>

11	Paola Petrone, Pantaleone De Vita, Vincenzo Allocca – <i>The soil water balance model for the sustainable groundwater management of a local transboundary aquifer</i>
12	Riccardo Pinaridi, Fulvio Celico – <i>Hydrogeological behavior of ophiolitic aquifers: an interdisciplinary experimental study in Northern Italy</i>
13	Marco Sabattini, Francesco Ronchetti, Diego Arosio, Gianpiero Brozzo, Andrea Panzani – <i>Innovative geophysical techniques: application approaches for groundwater monitoring. The case studies of the lower Val Magra and Valoria landslide</i>
14	Sara Saviano, Pasquale Allocca, Nicola Castello, Silvio Coda, Pantaleone De Vita, Paola Petrone, Vincenzo Allocca – <i>A GIS-based assessment of groundwater variations in a stressed and urbanized volcanic coastal aquifer, Somma-Vesuvius, Italy</i>
15	Roberto Tonucci, Davide Cappellari, Leonardo Piccinini, Andrea Braidot, Alberto Cisotto, Nico Dalla Libera, Paolo Fabbri – <i>Hydrological water balance between Mincio and Tagliamento rivers (NE, Italy)</i>

	Stabilità dei versanti
16	Mahnoor Ahmed, Giacomo Titti, Lisa Borgatti, Sebastiano Trevisani, Luigi Lombardo, Mirko Francioni – <i>Assessing and comparing elevation models for slope unit delineation to build regional predictive landslide models</i>
17	Tommaso Beni, Giovanni Gigli, Luca Lombardi, Tommaso Carlà, Nicola Casagli – <i>Applications of the Route Stability Index (RSI) for sport climbing rockfall hazards</i>
18	Nicolò Brilli, Elena Benedetta Masi, Federico Di Traglia, Veronica Tofani – <i>Calibration and validation of physically based distributed models for shallow landslide prediction</i>
19	Francesco Caleca, Pierluigi Confuorto, Samuele Segoni, Federico Raspini, Veronica Tofani, Sandro Moretti, Nicola Casagli – <i>Modelling landslide occurrence induced by extreme rainfall events using a “glass-box” machine learning technique</i>
20	Daniele Cirillo, Michelangelo Zappa, Giuseppe Cianflone, Rocco Dominici, Fabio Ietto – <i>Preliminary assessment of rockfall hazard around the Arcomagno area (Northern Tyrrhenian Calabria coast, Italy) based on PPK UAV photogrammetry and 3D model</i>
21	Vincenzo Critelli, Francesco Ronchetti, Matteo Berti, Annarita Bernardi, Giuseppe Caputo, Matteo Bernardi, Alessandro Corsini – <i>Slope response to effective rainfall of a large, complex rock-slide in flysch material</i>
22	Chiara Di Muro, Gerardo Grelle, Domenico Calcaterra, Diego Di Martire, Giuseppe Sappa, Luigi Guerriero – <i>Probabilistic estimation of surface displacements in seismically-induced landslides of the upper Sele River valley</i>
23	Maria Elena Di Renzo, Carlo Esposito, Francesca Bozzano, Paolo Mazzanti, Giandomenico Mastrantoni, Alessandro Brunetti – <i>Integrative Approach to Multi-Hazard Risk Management for Linear Infrastructure</i>

24	Antonio Fiorentino, Lorenzo Di Taranto, Angelo Doglioni, Giovanna D'Ambrosio, Vincenzo Simeone – <i>A singular case history of the impact of a slow active earth-flow on a viaduct of a national road</i>
25	Matteo Ferrarotti, Gian Marco Marmoni, Divyeshkumar Rana, Hanieh Dadkhah, Matteo Fiorucci, Diego Di Martire, Salvatore Martino – <i>Wildfire preparation to provide probabilistic scenarios of landslide hazard on the island of Ischia (Italy)</i>
26	Pietro Festi, Lisa Borgatti, Giulia Bossi, Giovanni Castellazzi, Davide Donati, Gianluca Marcato, Alister Smith – <i>Interaction mechanism between an active rockslide and a road tunnel: the San Lorenzo case study</i>
27	Francesco Fusco, Benyamin Abbasi Feshki, Laura Longoni, Monica Papini – <i>A physics-empirical estimation of rainfall thresholds triggering shallow landslides in Valtellina region (northern Italy)</i>
28	Francesco Fusco, Claudia Zito, Luigi Guerriero, Domenico Calcaterra, Pantaleone De Vita, Laura Longoni, Monica Papini – <i>Susceptibility analysis of landslide-induced debris flows in Alpine catchments</i>
29	Paola Gattinoni, Silvia Curioni, Angelo Molteni, Giovanni Leonelli – <i>Parametrical modelling of above-below ground interactions for landslide hazard management in forested areas</i>
30	Giuseppe Maio, Simone Palumbo, Diego Di Martire, Gerardo Grelle, Luigi Guerriero, Domenico Calcaterra, Giuseppe Sappa – <i>Initial-level reports of landslides involving bridges and viaducts: the case study of Villa Ilii (central Italy)</i>
31	Massimo Mangifesta, Domenico Aringoli, Gilberto Pambianchi, Francesco Massa, Nicola Sciarra – <i>Landslide hazard assessment : The case study of Nibbiano landslide (Camerino, Central Apennines)</i>
32	Gian Marco Marmoni, Luca Schilirò, Leonardo Maria Giannini, Gabriele Scarascia Mugnozza, Carlo Esposito – <i>Landslide hazard assessment in Rome for territorial statutory purposes through the depiction of uniform hazard scenarios</i>
33	Elena Benedetta Masi, Guglielmo Rossi, Nicolò Brilli, Veronica Tofani – <i>Shallow landslides regional modeling: from data collection to validation of results</i>
34	Luigi Massaro, Giovanni Forte, Melania De Falco, Federica Rauseo, Antonio Santo – <i>Rockfall source identification and trajectory analysis from UAV-based data in volcano-tectonic areas: a case study from Ischia Island, Southern Italy</i>
35	Giampiero Mineo, Marco Rosone, Chiara Cappadonia – <i>Hazard assessment of a rocky slope of Mt. Pellegrino (Northern Sicily): A comparative study of direct and indirect approaches</i>
36	Nicola Nocentini, Ascanio Rosi, Riccardo Fanti, Luca Piciullo, Zhongqiang Liu, Samuele Segoni – <i>Exploring the potential of dynamic machine learning applications for spatiotemporal landslide forecasting and implications for warning systems: a case study in Kvam, Norway</i>

37	Lorenzo Panzeri, Laura Longoni, Monica Corti, Monica Papini – <i>Multidisciplinary approach for the analysis of seasonal processes in shallow landslides through downscaled observation</i>
38	Riccardo Piccioni, Luca Domenico Venanti, Stefano Liti, Valentina Cerboni, Lucio Di Matteo, Fabio Guadagnano, Sofia Orteni, Corrado Cencetti – <i>Gravitational processes and risk conditions in the town of Nottoria (Umbria, Central Italy)</i>
39	Rodolfo Rani, Matteo Berti, Marco Sciarra, Stefano Rodani – <i>Towards pragmatic landslide susceptibility mapping for railway planning in Serra San Quirico, Marche (Italy)</i>
40	Vincenzo Simeone, Alessandro Guerricchio, Angelo Doglioni – <i>Geological complexity and gravitational deformation of in the area of Matera (Basilicata Region, Southern Italy)</i>
41	Federico Vagnon, Paolo Dabove, Claudio Oggeri, Glenda Taddia – <i>Multidisciplinary approach for designing mitigation systems to protect road infrastructure from rockfall phenomena</i>
42	Mario Valiante, Domenico Guida – <i>LOOM updates: a more efficient time management</i>
43	Claudia Zito, Luigi Guerriero, Massimo Mangifesta, Mirko Francioni, Diego Di Martire, Domenico Calcaterra, Antonio Pasculli, Nicola Sciarra – <i>Cascading landslides at Morino-Rendinara, L'Aquila, central Italy: numerical modelling of slope-scale prospective debris flow propagation</i>
44	Giordana Zocco, Giovanna Pappalardo, Giuseppina Cantarella, Simone Mineo – <i>Hydromorphological analysis to study the interaction between watercourse and landslides</i>

Monitoraggio	
45	Gabriele Fibbi, Matteo Del Soldato, Riccardo Fanti – <i>Improving Gas Storage Safety and Sustainability: The Revolutionary InSAR Approach</i>
46	Simona Marano, Yawar Hussain, Guglielmo Grechi, Stefano Rivellino, Salvatore Martino – <i>Application of time-lapse ambient seismic noise for multi-hazard assessment: the San Vito Romano (Roma, Italy) case study</i>
47	Pier Andrea Marras, Mattia Alessio Meloni, Antonio Luca Funedda, Stefania Da Pelo – <i>Landslide inventory update and susceptibility mapping: integration of field survey, remote sensing, and UAVs</i>
48	Claudia Masciulli, Marta Zocchi, Francesco Troiani, Paolo Mazzanti, Gabriele Scarascia Mugnozza – <i>Landslides Automatic Ranking using PS-InSAR Clusters: A Regional-Scale Application in Central Apennines, Italy</i>
49	Davide Mazza, Saverio Romeo, Antonio Cosentino, Paolo Mazzanti, Francesco Maria Guadagno, Paola Revellino – <i>The Contribution of Digital Image Correlation for the Knowledge, Control, and Emergency Monitoring of Earth Flows</i>

50	Marco Mulas, Giovanni Truffelli, Giovanni Bertolini, Melissa Tondo, Vincenzo Critelli, Alessandro Corsini – <i>Landslide displacement signature: about the characterization of displacement patterns in active landslides by means of long-term topographic monitoring</i>
51	Simone Palumbo, Massimo Comedini, Diego Di Martire, Domenico Calcaterra, Gianluca Benedetti – <i>Development of a digital platform for monitoring infrastructure networks affected by ground instabilities</i>
52	Chiara Spagnolo, Mariano Focareta, Francesco Maria Guadagno, Paola Revellino – <i>Multi-platform and multi-temporal analysis of ground deformation processes affecting the Benevento Province</i>
53	Saduni Melissa Dahanayaka, Matteo Del Soldato, Paolo Ruggeri, Matteo Senigagliaesi – <i>Use of InSAR data and geotechnical investigations for the evaluation of subsidence associated with soil consolidation works in Italian port terminals</i>
	Fenomeni alluvionali ed erosivi, dinamica fluviale e sinkholes
54	Claudio Arras, Mara Calia, Stefania Da Pelo – <i>A swift approach for identifying vulnerable linear transport infrastructures in areas prone to floods and erosion</i>
55	Giuseppe Bausilio, Rita Tufano, Luigi Guerriero, Mariagiulia Annibali Corona, Diego Di Martire, Stefania Nisio, Domenico Calcaterra – <i>Updating anthropogenic sinkholes' inventory and assessing the related susceptibility in the city of Naples (Italy)</i>
56	Domenico Calcaterra, Alfonso Corniello, Diego Di Martire, Giovanni Forte, Stefania Stevenazzi, Rita Tufano – <i>Engineering-geological insights into the gypsum-bearing deposits of Punta delle Pietre Nere (Puglia region, Italy)</i>
57	Giuseppe Cianflone, Gianpietro Imbrogno, Flaubert Nguebiapssi Kembeu, Daniele Cirillo, Fabio Ietto, Rocco Dominici – <i>By-pass sediment system to replace longshore current in harbour areas</i>
58	Andrea Fredduzzi, Pierluigi De Rosa, Corrado Cencetti – <i>Set of automatic algorithms for the historical analysis of planimetric-altimetric variations of riverbeds</i>
59	Isabella Serena Liso – <i>Sinkhole occurrence and evolution, and seawater intrusion in a low-coastal setting of Apulia</i>
60	Rita Tufano, Luigi Guerriero, Mariagiulia Annibali Corona, Giuseppe Cianflone, Diego Di Martire, Fabio Ietto, Alessandro Novellino, Claudia Zito, Domenico Calcaterra – <i>Multi-scenario approach for flood hazard assessment</i>

	Tematiche di geologia applicata e geotermia
61	Matteo Antelmi, Sara Barbieri, Luca Alberti – <i>The management of the low temperature geothermal resource in densely populated areas</i>
62	Massimiliano Bordoni, Alessia Giarola, Thi Ngoc Anh Nguyen, Antonio Gambarani, Matteo Giganti, Valerio Vivaldi, Claudia Meisina – <i>Impact of sustainable soil managements on land degradation processes on vineyards: preliminary results</i>
63	Jessica Maria Chicco, Giuseppe Mandrone – <i>Shallow geothermal energy as part of a hybrid heating system for an innovative greenhouse in NW Italy: how to reduce energy consumptions, optimizing investment and operative costs</i>
64	Vincenzo Colagiaco, Matteo Albano, Matteo Fiorucci, Michele Saroli – <i>Local seismic response in complex geological conditons. Insights from the Cassino intermontane basin</i>
65	Vivien De Lucia, Andrea Ermini, Stefano Guido, Luisa Beltramone, Domenico Gullì, Daria Marchetti, Riccardo Salvini – <i>Investigations using CSIRO-HI triaxial cells for measuring the stress states of rock masses subject to mining extraction: numerical modelling and calibration of in-situ extracted core samples</i>
66	Federico Feliziani, Gian Marco Marmoni, Valentina Gianni, Guglielmo Grechi, Giulia Felli, Francesca Bozzano, Salvatore Martino – <i>Engineering-geological modelling as a tool for modern archeological site preservation strategies</i>
67	Matteo Fiorucci, Gian Marco Marmoni, Guglielmo Grechi, Cecilia Conati Barbaro, Salvatore Martino – <i>Engineering-geology meets archaeology: geotechnical and geophysical approaches supporting an archaeological excavation</i>
68	Alessio Gatto, Stefano Clò, Federico Martellozzo, Samuele Segoni – <i>Interrelations between national hydro-geomorphological emergencies and urban sprawl at the province and municipality level in Italy</i>
69	Elisa Mammoliti, Marta Cupido, Riccardo Teloni, Francesca Tittarelli, Gabriele Giuli, Piero Farabollini, Eleonora Paris, Stefano Santini – <i>Non-destructive evaluation of rock weathering using the Equotip hardness tester, supported by physical and mineralogical analyses</i>
70	Nunzia Monte, Francesco Bucci, Michele Santangelo, Ivan Marchesini, Paola Reichenbach – <i>Geotechnical Characterization of Lithotypes in the Geological Map of Italy (Bucci et al.,2022): Mitigating Uncertainty for Regional-Scale Geo-Hydrological Modeling</i>
71	Dimitra Rapti, Riccardo Caputo – <i>Holistic approach for sustainable exploration of shallow geothermal resources</i>
72	Walter Tavecchio – <i>Protects and Heats</i>

Sabato, 29 giugno 2024

8:00 - 18:30

Escursione guidata sull'Isola di Ischia, incentrata sulle frane di Casamicciola del 26 novembre 2022, sugli effetti del terremoto del 2017, sui fenomeni da crollo in località Forio e sui fenomeni di idro-termalismo dell'isola.

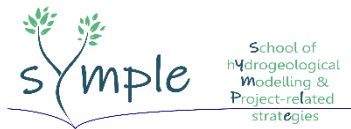
Ritrovo ore 8:00 presso il Molo Beverello di Napoli, area di attesa per la partenza degli aliscafi. Orario partenza dell'aliscafo: ore 8:30. Rientro allo stesso molo.

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